319.

May 18. 1818.

~~fly.~~ $\frac{4}{10}$ long. long & narrow form. wings lay close to ~~the body~~ marked on the body, on each side with 4 lateral oval dun or pale yellowish red spots. eyes red brown.

No. 3

320.

May 20 1818.

fly. $\frac{2\frac{1}{2}}{10}$ long. ash brow color. darker ~~stripes longitudinal with the thorax~~ balancers & wings dun or yellowish color & transparent marked with dark shade or clouds. with a waved band near the ~~base~~ apex of the wings — (common) —

321

May 20
1818.

This insect is long, black glossy and marked on (2)
the shells with 4 orange irregular formed large spots -

322

Curculio.

Curculio
Melan
May 20

length. burnished of a purple black or violet
the thorax & elytra is highly polished. the shells with hills
& valleys undulated and furrowed — found on a stone building

323.

May 20
1818.
scarce —

Shad fly. Ephemera. This Species is about $\frac{5}{10}$ long and of a brown color, and reddish brown eyes — and narrow straw colored bands at the edge of the articulations of the body.

324.

May 24.
1818.

found also in Phila. the July 20th 1818.

Moth (female) This beautiful species is of a pure elegantly marked white with a minute black spot in the center of the superior wing and two black spots in the lower part of the lower wing one of these spots is as large as the head of a large pin the other minute on the under part of the lower wings there are three black spots 2 large & the other minute — the upper part of the body is marked on each side with 4 lateral triangular orange spots — it has 6 black square spots (in some only 5) down the center of the back the 4 middle of which are larger than the others — with a double row of black lateral spots — length when at rest $\frac{1}{10}\frac{2}{10}$ when at rest the wings are in the position of the roof of an house —

The male resembles the female in color & spots markings but is somewhat smaller. being 8 to 9 $\frac{1}{10}$ long — the antennae are pectinated or feather or lateral on both sides teeth which are prominent white — both sexes vary somewhat in size in different specimens —

different species of Chrysomela supposed —

2. Green or slightly blackish green (burnished) $\frac{1}{10}$ long
on the balsam poplar in number —

P. May 26 1818.

b. Steel color. or violet or purple steel blue (burnished) bluish nearly $\frac{2}{10}$ long

These three found in the same place

c Red violet (burnished) with four spots on the shells. nearly $\frac{2}{10}$. long.

d. color of highly burnished copper scarcely $\frac{1}{10}$ long

e color greenish black or black or soot brown with a longitudinal stra
nearly. in the form of a thigh bone each
mark down the shell. a very active minute insect
May 26 1818. about $\frac{3}{4}$ $\frac{}{10}$. hard to catch they skip to a considerable
distance when a person comes near them. common on
hot beds — and plants

326

May 26 1818

Staphylinus

one sex $8\frac{1}{2}$ long

the other $\frac{7}{10}$. the head of this however last is scarcely half the size of the other — they were found in great numbers under stones which lay on the putrid entrails of dead — cannot bear the light — the immediately on exposing them to the light work into the earth a bird under something — seldom making use of their wings they are of a glossy black color with a hairy band across the lowerpart of the elytra of a dirty yellowish greyish green color and with similar colored hairy marks on the 2 & 3 joints — or annulations of the body — thorax ○ formed — These insects stink most intolerably — naturally but when first taken smell strongest of the putrid matter in which they are found —

327

Libellula

May 26 1818

Dragon fly.

3 inches long. I was so fortunate to day as to find the larva or exuviae of this insect in gaping through a piece of wet meadow. I noticed a libellula which had just left the larva state and was exerting its as yet feeble wings in vain attempts to rise. & On examining near it I found its case attached to several blades of grass it is of a varnish glossy appearance and the wings are transparent as glass — the long spots near the upper end of the 4 wings is pale yellow — This insect is of a rich brown color with three bright gamboge yellow bands or long marks on each side of the thorax and with a row of double yellow spots down along the back or upper side — the pupa exuvia is 1 inch $\frac{6}{10}$ long — the upper part of the eyes is of a pale chocolate color. the lower part lead color. —

328. | Cocinella. $\frac{3}{10}$ long — shelly — bright grange color with ~~two~~ large black spots on the lower part of each elytron and a small black dot on the shoulder of the wing case thorax black with a white margin, and two transverse long white ~~spots~~ (——) with a white spot on the head between the eyes —— found on a fence (under part black)

May 27 1818.

329. | $\frac{3/4 \text{ to } 4}{10\ \ 16}$ $\frac{3/4}{10}$ long — This insect is or a high salmon colr.
of a yellowish red. leg, tarsi and elytra brown with 2 brown spots on the thorax — shells punctured or rough. with a few dun colored hairs — eyes brown with a brown mark between or from one eye to the other. thorax head and thighs yellowish red. knees brown — . ~~or~~ caught on the wing. common —— (of amber red color general colr) The other sex has the body longer, or larger, than the other & longer than the shells. the marks on the thorax are the same in both sexes ——

May 28 1818

330.

May 27
18/18

Chrysomela, supposed, $\frac{2\frac{1}{2}}{10}$ long, found on the wing, body & thorax bright red, ~~shells~~ shells greenish or olive black, smooth or very slightly punctured antennae blackish brown — hind thighs broad, thighlegs & tarsi black brown — common

331

May 27
18/18?

$\frac{2\frac{1}{2}}{10}$ long. body, thorax and front of the head yellowish red. shells olive brown — interior & exterior margin of the shells pale dirty yellowish brown. The antennae of this insect are very remarkable the last joint being extended and bent, with two prongs of equal thickness projecting from the end of ~~each~~ the joints next the end. like the prongs on a deer horns.

Cerves -

332

May 27
1818.

rather more than $\frac{2}{10}$ in length and almost
round or of an oval form approaches to round. the margin of the
shells & thorax is very broad transparent of a fine color like gum arabic
the body of the insect seen through the shells is of the color of
a lump of gamboge — the three last joints of the
antennae clove brown —

333

May 27
1818

$1\frac{1}{2}$ [redacted]$_{10}$ long dark brown shelly lighter
brown with a ~~red~~ triangular red brown spot on each elytron
wing cases half the length of the body. found floating in
a barrel of vinegar exposed to the sun

$\frac{3}{10}$ long / black. marked with 2 large irregular. bright full lemon color. on each wing). —

334

May 25. 1818.

335

May 26 1818

male & female found in coitu

length of. a $\frac{8}{10}$ head or face bright lemon yellow — spot on the thorax fore & middle legs. bright lemon yellow. — body yellow shaded with brown hind thighs brown — lower part of the shanks & first & second joints of the feet brown — thorax clove brown —

found on the wing

length of. ♀ $\frac{6\frac{1}{2}}{10}$. face lemon yellow. fore & middle legs. reddish yellow — thighs & lower part of the shanks red brown body reddish yellow shaded with red brown —

The ♂ in both is bright yellow.

336
May 27. 1818.

long tailed warp. length of the insect $\frac{5}{10}$ long — head & thorax of the whole length to tail & antenn. 1 inch & $\frac{2}{10}$ dark brown. antennae dark brown middle part white cane color — legs yellowish red. — tail or appendage black. antennae as long as the insect — tail nearly as long fore shanks very much swelled in form near the lower end — found on a fence — the tail is composed of three equal bristles the two outer black the middle thinner and of brown color.

337
May 28. 1818

Melotomka $\frac{3\frac{1}{2}}{10}$ long. of a rich purple brown or burnt umber color. with a satiny lustre on the shells found on a fence — shells furrowed. and partially punctured spiny on the sides of thorax & shells — shanks spiny on the inside out side beneath of small spines —

338
May 26

Bee ? black to 8/10 long black speckled below

eyes green. the inside — between the lower part of the eyes pale yellow or cane color; thorax & first annulation of the body thick hairy or woolly; wings brown or purple brown with a broad dark band on the lower margin of the upper or superior wings — the 2, 3, & 4th annulation of the body smooth the 2 last annulation as well as the under part of the rest with hairy. found in numbers about my stone house to the S side. the orchards being then in full bloom —— wings longer than the body ——

339.

May 27.

found several specimens this day —

wings brownish black — — 5/10 long black, or brownish black

(including the wings — length exclusive of the wings near 4/10

Phryganea or Hemerobius ? —

340

May 25

very numerous thousands in the air & on the fences & buildings

length including wings $\frac{5}{10}$ without $\frac{2\frac{1}{2}}{10}$ —

very pale dun or ~~reddish~~ brown body, ~~dove~~ brown. The larva are * a certain this supposed to be an active worm now common in muddy stagnant waters which are very shy, suspending themselves with the ~~last~~ lower part of the body uppermost and swinging in that position as soon as a person comes near them they put themself in motion & descend to the bottom or out of view — shortly after they float to the surface. when on observing any person they again suddenly descend. they are about $\frac{4}{10}$ in length I say supposed for I have not been able to find them emerge from the larva state to the fly: but judge from circumstances & analogy —

341

Solitary wasp

May 28 1818.

length $\frac{8}{10}$ general color red brown or ~~dun~~ color of a chestnut

fore shanks and ~~all~~ the joints of all the feet reddish yellow under part of the thighs & outer part of the shanks chestnut brown — a narrow yellow band at the base of the first annulation of the body cheeks & jaws in some specimen reddish yellow and also the upper & outer part of the thorax red in others ~~red~~ red brown — wings red brown —

This female these parts are attaches it by a stalk built her nest under some stone which is raised a little from the earth. this she constructs out of the ~~clayey~~ wood in its first stage of decay glueing it together & forming a cell in which she deposits an egg of a milky white color. about $\frac{1}{10}$ long. opposite to the egg in the bottom of the cell she places a quantity of honey about twice the bulk of the egg then now forms a sort of pedestal or rudiment of another cell depositing in like manner an egg & opposite to it a little honey. in this manner she proceed until she has made & laid egg there about 60 cells when she lengthens the cell so that they are about $\frac{8}{10}$ of an inch deep making them all of an uniform length & seals up when the nest is completed — or seal up the mouth of each to prevent the larva falling out.

3420
May 28
1818

Phrygania — olive & olive yellow narrow yellow
band on the thorax — length including wings $\frac{7}{10}$ exclusive
of the wings $\frac{5}{10}$ — under the jaws & throat breast joint of the thighs next the body.
and two last annulations of the body olive yellow. two
brown or olive round spots between the roots of the wings

3423
May 28
1818

This specie is not above $\frac{3}{10}$ long nearly of a whitish color-
(small eyes dark) body straw color wings pearly ~~white~~

3444.
May 29.
1818.

Staphylinus — 1 8/10 long of a brown color. — head
square — antennae small. thorax shaped. elytra
2/3 the length of the body. wings dark brown playing into
violet or steel blue — with a double row of dots. down
the middle of the back last joint yellowish or brownish
yellow terminates in 3 tails. underside with a
play of light of a brazen velvety color.

345 supposed the other sex of 129.

May 31 1818. $\frac{8}{10}$ long. dead straw color. head bright lemon yel eyes black. three yellow brown stripes of the thorax antennae pale brown — annulations of the body shaded with brown two minute tails at the end of the abdomen —

346 Asilus? or Empis? long of a hitchy black, with ash colored wings, black poisers, black hairy in front of the head. long grey hair or down on the back with a few hairs on the thorax — thorax raised & rounded — a dark spot in the wing near the outer edge or margin found in great numbers on Burnsides Bear & beans — the one sex is somewhat smaller than the other

May 30 1818

347. Tipula 9/10. wings pale reddish yellow. shaded dark along the middle nervure — body pale reddish yellow. lower edges of the annulations with a whitish ring joining on to which is a dark brown shading — top front of the thorax with dark bands or streaks back part of the thorax pale buff —

June 1. 1818

348 Tipula 7/10. wings pale with faint reddish yellow.
June 1. nerves — with a faint blotch near the upper and
1818 outer margin — head of the balance bottle green — thorax ~~brown~~ citron yellow. with dark red yellow streaks on the front thorax eyes black body raw terra sienna yellow. with a row of lateral lengthened dots — with a few of these dots on the under part of the body next the thorax

349
June 2.
1818

Tipula $\frac{8\frac{1}{2}}{10}$ body thick in the middle
tapering to the thorax and tail (legs are not above half
as long as represented in the drawing correct this) eyes brown
belly & back yellowish red. with a broad ~~blackish~~ brown band. —
antens very short ~~fuel~~ thighs legs & feet short —

350
June 2
1818

nearly $\frac{4}{10}$ long, black brown —
face, shanks and first joints of the tarsi lemon yellow
with 4 large lemon spots and six smaller on the back
of the body. last ✗ annulation same color terminates with
black brown — under side of the body with 4 large lemon yellow
spots — antens 13 joints ~~two first~~ & last joints
black brown — the under side of the others ochre yellow
upper side of them brown — wings slightly iridescent —

351.

Fly. 4 to long. ~~head~~ brayes brown ~~thorax~~ marked with 2 central longitudinal streaks and an interrupted
June 3 1818 streak on each side of the other — legs long — lower edge of
the annulations of the body pale red brown — upper part broad
dark brown — wings pale yellow brown with two
dove brown
zigzag bands or clouds across the wings — clouded
along the outer nerves. ~~and~~ of the end of the wings —
found general about houses but frequently met with in
the woods —

352.

of the form & appearance of the brown wasp. one inch
long red brown — upper wings dark brown — inferior
June 4 1818 transparent and very slightly dusted yellow. with a narrow pale
yellow band at the lower edge of the second annulation of the
body. This insect flies in the manner of a wasp about
flowers and in the wing at a little distance may be
easily mistaken for a large brown wasp ——

353 vespa. punctata / dottata / $\frac{8}{10}$ long found on flowers. black brown with bright lemon yellow markings. wings brown — thorax with a yellow band. running to the root of the wings — 4 oval or oblong yellow spots at the bottom of the thorax — body with bright yellow marking on the angulation of the body and 8 black dots on the upper side & 8 on the under. side. June 5 1818 × the two last very small on the pair. shanks brown & tarsi yellow. — part of the thighs next the body brown black —

354 Cerambyx ? $\frac{2}{10}$ $\frac{7}{10}$ long found on plants — of a dull pale purple or purple brown — with 4 round spots June 6 on the thorax and a small spine or on each side at the 1818. bottom of the thorax and numerous dark round spots on the elytra antennae composed of 9 joints — and nearly 3 times the length of the insect the half of the thighs next the body smaller than the other half and colored reddish ——

353 vespa. punctata / dottata / $\frac{8}{10}$ long found on flowers. black brown with bright lemon yellow markings. wings brown — thorax with a yellow band. running to the root of the wings — 4 oval or oblong yellow spots at the bottom of the thorax — body with bright yellow marking on the angulation of the body and 8 black dots on the upper side & 8 on the under. side. June 5 1818 × the two last very small on the pair. shanks brown & tarsi yellow. — part of the thighs next the body brown black —

354 Cerambyx ? $\frac{2}{10}$ $\frac{7}{10}$ long found on plants — of a dull pale purple or purple brown — with 4 round spots June 6 on the thorax and a small spine or on each side at the 1818. bottom of the thorax and numerous dark round spots on the elytra antennae composed of 9 joints — and nearly 3 times the length of the insect the half of the thighs next the body smaller than the other half and colored reddish ——

355

June 8 1818

Fly. $\frac{4}{10}$ long bluish ash color. covered thick with white down or hairs eyes green. ~~thorax~~ marked with 3 broad bands down the thorax —— found on plants shanks light yellow brown and spiny ~~tarsi~~ brown. ~~thighs dark~~ nerves of the wings brown —— wings somewhat longer than the body ——

356

June 8 1818.

minute Carabeus. 4 maculatus rather more than $\frac{1}{10}$ long very active insect with 4 pale yellow brown spots on the Elytra, the two upper large and triangular formed, the lower irregular oval. ~~small than those above~~ —— general color of the ~~insect~~ insect olive brown. ~~thighs~~ pale legs yellow brown. —— the six last joints of the antennæ dark brown ~~the~~ the other color of the legs —— (upper part of the thorax broader)

357
June 8
1848 .. Libellula

1 inch + 7/10 long — thorax
citron
gamboge yellow. with black brown marking or lines
eyes pale olive wings finely figured toward the
minutely
root pale buff. or yellow. abdomen of the body dark black
marked with long yellow marks or
dashes or blaces. on the upper part of the annulations of the
body with lateral spots blueish towards the
thorax and yellow towards the end — wings iridu-
face yellow. — wings a faint purple tinge

358
June 8
1848

Leptura? $\frac{4\frac{1}{2}}{10}$ or near $\frac{5}{10}$ dark brown

antennae 11 joints — 3 last joints dark brown rest pale red
brown thorax round — upper & lower margin with a whitish
yellow margin — elytra ~~lower parts~~ taper to the end
where they are of lighter color ~~marked with 6 spots~~
2 hooks. and 2 bands of a fillk dead whitish yellow
fore part of the thighs pale red brown hind part thick
and dark brown — shanks & tarsi pale red brown
found on the common currant bush —

359.
June 9.
1818.

$\frac{1\ 3/4}{10}$ long. of a chesnut brown color.
and lengthened form — the thorax has a deep broad groove
or indenture down the middle — the shells are furrowed
This is the insect which destroys the hoops of flour casks.
reducing the whole of the hoops to powder (powderpost)
numerous. and eating into the staves — enquire their history of
as it is termed —
Jacob Linton — there are hundreds of them in the hoops
of one casks. the two sexes resemble one another.

360.
June 10.
1818.

$\frac{3}{10}$ long head & thorax clove brown
body yellowish red. brown at the end — hind thighs yellowish
red — end of the hind shanks brown rest of the legs
pale yellowish — the first 2/3rds of the antennae clove
brown rest pale —

361.
June 10
1818

small. brown wasp. with 3 yellow rings. $\frac{3}{10}$ long.
~~head~~ clove brown. a round lemon yellow round
between the eyes. on the face — a small yellow lateral spot in the
thorax immediately under the root of the wing. and two minute
yellow spots on the upper part of the thorax between the roots of
the two inferior wings — wings iridescent and dark towards
the upper and outer margin of the upper wings — three yellow
rings on the abdomen. thighs dark shanks & tarsi pale yellow.

362
June 10
1818.

$\frac{5}{10}$ long. black — wings blackbrown
both sexes with a broad gilt spot on the thorax —
the one supposed the female a bar a broader or larger spot — the
abdomen is thick! tapers to a point marked on each side with 4.
white or silvery spots. — the other has the body pipe shank
formed and marked with 11 yellow or golden spots on each side.
and each spot is nearly connected to the opposite one on the side — the thigh
are black brown — shanks pale yellow brown — found in cotton

363.
June 11
1878.

Tipula — $\frac{9}{10}$ long. antennae head thorax of a glossy black brown — first annulation of the body. of a bright yellow red color. the rest of a glossy black brown. abdomen swelled about the middle when it suddenly decreases & tapers off, long & ends in a divided tail — thighs shanks & first joints of the tarsi orange color. rest of the tarsi dark brown — wings somewhat reddish yellow — veins parts strongly marked —

364
June 12
1818

Fly — $\frac{4}{10}$ long. thorax upper part dark brown sides of it cane colored — plate back of it dirty yellow. abdomen on the top dark brown with two yellow bands passing across — under part of the abdomen pale yellow — eyes large and dark brown face whitish yellow — legs brown yellow — upper end of the abdomen pale brown — — — —

365
June 12
1818

This moth is about 1 4/10 inch long from the tip of one wing to the tip of the other. it is of a silvery ash grey. marked on the upper side of the superior wings with two fine transverse lines of a yellowish white color. and shaded with another pale brown or yellowish red. line adjoining the other. with a dark red brown spot about the size of the head of a pin. and brownish shading on the upper outer margin the upper & lower wings are scolloped out at the edge. the under side is of a light color. & yellowish on the under side of the upper markings — eyes. brown. —

366

June 10
1818

Phryganea. 1 2/10 long (in extent) the other sex not more than 1 inch long — reddish yellow in the head eyes brown & marked with two brown spots on the head. tail long extending to the end of the wings these are in numerous on the arbs this day — come later than the large species general color of a terra sienna color. shaded with pale in dia ink —

367. larva ½. full grown specimen 2¼
near 2¼ inches long with a white line down the back
begin to spin June 15. 1818. shaded on each side of the white line with yellow brown & interspersed with black. with 10 pale sky blue spots on each side adjoining to each of which is a black spot — belly part blue speckled with black with lateral tufts of fine colored hairs
numerous on apple trees — they inhabite in a provided numb or broods
common. a large webb — when arrived at their full size
they leave the nest and seeking some corner in port holes
to or aside of houses they spin a cocoon* of a whitish silk finish long
July 9 1818. interspersed with a farinaceous mate or powder. and in less than 4 weeks
time the perfect insect comes out a moth of a brown or
chocolate colr. deeper or paler (varying in specimens) with two
pale lines on the superior or upper wing about 2/10 of an inch asunder runnig diagonaly.
the margen of both upper & lower wings is more or less marked
with a pale line — the moth is small compared to the size
of the full grown larva — the moth when at rest
steep
* The pupa is slender formed. — how the wings ridged like the roof of a house

368. Phryganea — ⅞ long, thorax wings thighs & legs
dark, or india ink color. body yellow
not common.

June 16

369.

long — body, antennæ, legs head &c.
red yellow. or orange. shells pale grey, brown — eyes black
June 18. 1818 found crawling on my frontispiece of stone house — found also on the elders

370. Tipula. long thorax, wings, legs brown black & balancers
June 20 1818 upper & under part of the abdomen ochre yellow. legs not very long.

not common

371.
June 21 1818

$\frac{2}{10}$ long of a pale bright rose & carmine red. eyes dark brown antennæ 2 joints dark brown legs olive (found on the leaf of the broad leaf dock)

372
June 22 1818. —

$\frac{4}{10}$ long. antennæ, head, & thorax brown black shells pale red brown. broadest at the shoulders — thighs pale red brown next the body — dark brown & somewhat thickened towards the knee — shanks pale brown with one spine — —

373 Locust Cicada? 1 1/2 / 10 long; Color · reddish yellow, or deep
nankeen color. upper part of the wing cases whitish — leg
June 23. 1818 nankeen color, as well as the eyes —

374 Locust · Cicada? 2/10. long Colour dark purple
June 23. 1818 brown · eyes red brown or morella cherry color — head
spotted with ochre yellow spots · thorax continued like a
Ladies spencer or riding habit · nearly the lenght of the wing ·
wings transparent with very thick veins · and · clouded —
thorax spotted with ochre spots in front, marked on each side
with a curved white line · with a small white spot
between the two lines · and a waved white band near the
end — the thorax is punctured with fine sparing hairs — upper part of the thigh
dark purple brown under part pale yellowish —

375.

June 23 1818.

larva a ½ — inch long. of a whitish or pale yellow. with a dark grey lateral band. studded with yellow spots — on the back there is a broad black band down the back. in which are inserted 4 thick brush like tufts of a white color; below which there are two raised points of a deep crimson color. — with a horn like tuft of pale brown hairs at the end — with long whitish hairs — all the sides. and particularly about the head & anus. the head & first annulation are of a rose color the second annulation has a double row of yellow spots running across it — the sides are composed of a plume of black hairs — the under part is of a greenish yellow

female grey with white & yellow?

376

June 24 1818

long. — of a burnt umber brown general color.

thorax punctured and marked at the 4 corners with a small yellow spot — thighs very thick in the middle with white hairs towards the knees & intermediate and tarsi pale brown — with whitish markings on the shell towards the shoulders. and a rhomb formed white spot on each shell. close to the sutures. — and a band continued from the spot to the outer margin —

377
June 24
1818

fly [illegible] near $\frac{4}{10}$ long. eyes large & dark brown. abdomen club ff
thorax & of a brassy color & glabrous & feelers brown —
face ochre yellow. [illegible] body & dark brown with 3 broad & 5 narrow
somewhat greenish yellowish bands & wings pale. found in my room
supposed to feed on flowers

378.
June 26
1818

Dytiscus? & feelers
thighs & brown [illegible]

$\frac{4\frac{1}{2}}{10}$ long. black brown smooth & glossy —
found in Stoddards dam at Lehigh.

379. Staphylinus $\frac{3}{10}$ long. antenna head thorax
and two last annulations of the body. black brown —
June 25 1818 legs, elytra, & four first abdominal rings red yellow.

380. not quit $\frac{1\frac{1}{2}}{10}$ long. Coccinella black brown & glossy with 10 orange colored spots, thorax
with an orange margin — face, or between the eyes orange —
June 26 1818 legs pale red brown — found on the elder. — found
also in number on the burdock leaves — the other sex. has
but 8 spots lacking the middle two this last is rather
smaller than the sex with 10 spots —

381.

June 26
1818.

$\frac{6\frac{1}{2}}{10}$ long. antennae 11 joint antens, head & thorax clove brown — thorax, punctured or rough middle part of it globy. ~~body~~ abdomen brown — thighs orange. shanks & tarsi brown — shells pale brown upper part light colored, with two longitudinal interrupted pale lines. ——

382

June 26
1818.

$\frac{8}{10}$ long head small, thorax globular shells rather larger in the middle & tapering ~~to the~~ end. This insect is of a dark or clove brown — the shells (shells rather reddish brown) marked with yellow. on each shell ~~two spots~~ a spot or lunule near the root, a lateral small point, a large round spot and two bands. on on both shells with 6 spots. & two bands the upper of which is waved ——

383.

June 27
1818.

same as
191 ?

9/10 long dark vandyck brown.

384.

June 27
1818.

Sessabacus ?

color of burnt ochre, or chesnut red

rather more than 3/10 long. — 2/10 broad.

385

June 5.
1818

Fly. — $\frac{2\frac{1}{2}}{10}$ long — or $\frac{3}{10}$ includ wings

386

June 27
1818

Fly. $\frac{6\frac{1}{2}\text{hs. long}}{10}$ dark brown — thorax gilt with a large dark brown spot in the center and 8 gilt spots ~~each~~ lateral one nearly connected with its opposite and forming somthg like a band. the wings are not dark as in N° . and the larger nerves are shaded or tinged with reddish yellow — legs . olive yellow.

387.
June 28
1818

Horse fly. $\frac{6\frac{1}{2}}{10}$ long. the other sex is about $\frac{5\frac{1}{2}}{10}$ long
head broad & flattened in front eyes green with brown lines across
thorax pale clove brown. with marks or longitudinal lines — body brown
with a whitish or pale line down the upper part of the
abdomen or back. and lateral pale reddish markings
under part of the thorax and body pale bluish or of a milky
appearance ——

388.
June 28
1818.

Cicada? — long — pale olive eyes pale brown — with a lateral
transverse white band. and a pale spot in the middle of the
thorax or upper shell. near the end. — a dark cloud at the
end of the transparent wing — short hairs on the top of
the thorax or shell —

389 near $\frac{5}{10}$ — long. found on the wild Cotton or Milk weed
the general color of this insect is of a brownish red —
June 30 1818. with a yellow spot on each side of the abdomen.
wings yellowish with brown nerves —

390 Cicada? $\frac{3}{10}$. long. of a bright grass green eyes dark or
black brown — thorax clouded — —

June 30
1818.